

Clinical Section.

President—Sir HERBERT WATERHOUSE, F.R.C.S.

CASES.

Chronic Renal Disease with Bony Changes.

By A. A. OSMAN, M.R.C.P.Lond.

H. P., AGED 12. First complained of weakness of legs 5 to 6 years ago. Attended Out-Patients' Department August 25, 1926. Thin, pale, and undersized, with marked genu valgum.

Urine then contained albumin, 1 part per 1,000, a good trace of sugar, a few red cells, and epithelial cells in the urine, but no casts. Later, a few hyaline casts were observed.

Heart and arteries normal. Systolic blood-pressure normal, = 90 mm. Hg. Retinæ normal. Wassermann reaction negative.

Blood-count: red blood-cells, 4,112,000; white blood-cells, 8,000; Hb. 70 per cent.; colour index, 0·9; polymorphonuclears 58 per cent., lymphocytes 38 per cent., eosinophils 4 per cent.; plasma NaHCO_3 , 0·025 (normal 0·032 molar); blood urea, 21 mgm. per 100 c.c.; blood calcium, 10 mgm. per 100 c.c.

Urea concentration:—

	VOL.		C.C.N.		
First hour	52 c.c.	...	40·2 c.c.	...	2·51 per cent. urea
Second "	40 c.c.	...	60·2 c.c.	...	3·76 " "
Third "	36 c.c.	...	60·5 c.c.	...	3·78 " "

Repeated examinations of the urine for tubercle bacilli proved negative. There were no signs of tuberculosis in the chest that could be detected clinically or by X-ray. Radiograms of the kidney regions showed shadows suggesting calcified glands in the region of the left kidney. A pyelograph by Mr. J. Alban Andrews showed that these shadows were not in the kidney. The temperature charts shown suggest tuberculosis.

After some weeks' treatment with alkalis the albuminuria and glycosuria disappeared. The X-ray appearances of the bones are not typical of renal dwarfism, or late rickets. The case is shown for opinions as to the possible connexion, if any, between the bony and renal lesions.

Case for Diagnosis.

By A. A. OSMAN, M.R.C.P.Lond.

V. L., AGED 3½. An only child, born at full-time, thirteen years after the only other pregnancy, which resulted in a miscarriage. Breast-fed for one year and three months. At this age attended Out-Patients' Department, for diarrhoea of a few days'